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WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

1930–1931

OFFICE OF EXPERIMENT STATIONS

UNITED STATES DEPARTMENT OF AGRICULTURE
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WORKERS IN SUBJECTS PERTAINING TO AGRICULTURE IN STATE AGRICULTURAL COLLEGES AND EXPERIMENT STATIONS

By MARY A. AGNEW
Office of Experiment Stations

1930–1931

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KEY TO ABBREVIATIONS

Acct., Accountant, Accounts.
Actg., Acting.
Admin., Administration, Administrative.
Agr., Agriculture, Agriculturist, Agricultural.
Agron., Agronomy, Agronomist.
Agt., Agent.
An., Animal.
Anal., Analytical, Analysis.
Anat., Anatomy.
Arch., Architecture
Assoc., Associate, Association.
Asst., Assistant.
Bact., Bacteriology, Bacteriologist.
Biochem., Biochemist, Biochemistry.
Biol., Biology, Biologist, Biological.
Bldg., Building, Buildings.
Bot., Botany, Botanist, Botanical.
Brdg., Breeding.
Bul., Bulletin.
Chair., Chairman.
Chem., Chemistry, Chemist, Chemical.
Climat., Climatology, Climatologist.
Coll., College.
Comp., Comparative.
Comn., Commission.
Comr., Commissioner.
Consult., Consulting.
Coop., Cooperation, Cooperative, Cooperator.
Corresp., Correspondence, Correspondent.
Dem., Demonstration, Demonstrator.
Dept., Department.
Dir., Director.
Dist., District.
Div., Division.
Dom., Domestic.
Econ., Economy, Economic, Economics, Economist.
Ed., Education.
Engin., Engineer, Engineering.
Ent., Entomology, Entomologist, Entomological.
Erad., Eradication.
Expt., Experiment, Experimentalist, Experimental.
Ext., Extension.
Fert., Fertility, Fertilizer.
Flor., Floriculture, Floriculturist, Floricultural.
For., Forestry, Forester.
Gard., Gardening, Gardener.
Gen., General.
Geol., Geology, Geologist, Geological.
Grad., Graduate.
Histol., Histology, Histologist.
Hon., Honorary.
Hort., Horticulture, Horticulturist, Horticultural.
Husb., Husbandry, Husbandman.
Hyg., Hygiene.
Illus., Illustration, Illustrative.
Indus., Industry, Industrial, Industries.
Inorg., Inorganic.
Insp., Inspection, Inspector.
Instr., Instructor, Instruction.
Insts., Institutes.
Invest., Investigations, Investigational, Investigator.
Irrig., Irrigation, Irrigationist.
Lab., Laboratory.
Landsc., Landscape.
Lect., Lecturer.
Libr., Library, Librarian.
Mach., Machine, Machinery.
Mech., Mechanics, Mechanical.
Med., Medicine, Medical.
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Phys., Physics, Physical.
Physiol., Physiology, Physiologist, Physiological.
Pomol., Pomology, Pomologist, Pomological.
Pract., Practice, Practical.
Prep., Preparatory.
Pres., President.
Prin., Principal.
Prod., Production.
Prof., Professor.
Pubs., Publications.
Sci., Science, Scientist, Scientific.
Sect., Section.
Secy., Secretary.
Secon., Secondary.
Sociol., Sociology, Sociologist.
Sta., Station.
Substa., Substation.
Supt., Superintendent.
Supvr., Supervisor.
Surg., Surgery.
Tech., Technology, Technologist, Technical.
Treas., Treasurer.
Trop., Tropical.
Univ., University.
Veg., Vegetable, Vegetation.
Vet., Veterinary, Veterinarian.
Vit., Viticulture, Viticulturist, Viticultural.
Voc., Vocational.
Zool., Zoology, Zoologist.

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NOTE.—In the preparation of this publication Miss Agnew was assisted by Miss Betty T. Richardson, of the Office of Experiment Stations.

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A key to the abbreviations used is given on page IV.

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*Nellie A. Gard, A. M., *Asst. Prof. Home Econ.*
*Mary Heitsch, A. M., *Instr. Home Econ.*
†Anna B. Kinsey, A. B., *Research Asst. in Home Econ.*
*Marie G. Lundberg, B. S., *Prof. Home Econ.*
‡Lisbeth Macdonald, R. N., *Ext. Specialist in Rural Health.*
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*R. H. Patch, M. S., *Assoc. Prof. Flor.*
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‡R. E. Jones, *Ext. Poultryman.*
‡E. S. Walford, B. S., *Asst. Ext. Poultryman.*
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[2] For subject-matter workers see the respective division; i. e., agronomy, animal diseases, etc.

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*R. M. DeCoursey, Ph. D., *Asst. Prof. Zool.*
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Zoology—Continued.
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†H. G. M. Jacobson, M. S., *Asst. Agron.*
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Miscellaneous:
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†Dorothy Amrine, B. Litt., *Editor.*

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P. J. Anderson, Ph. D., *Path. in charge.*
O. E. Street, M. S., *Plant Chem.*
T. R. Swanback, M. S., *Agron.*

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*T. A. Baker, B. S., *Prof. An. Husb.*
†A. E. Tomhave, M. S., *An. Husb.*
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*Elizabeth G. Kelly, M. A., *Asst. Prof. Home Econ.*
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*†L. R. Detjen, M. S., *Prof. and Assoc. Hort.*
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*Mrs. Helen B. Grossley, A. M., *Dir. Home Econ.*
*J. R. Lewis, B. S., *Instr. Mech. Arts.*
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‡H. L. Brown, B. S., *Ext. Dairyman.*
†C. R. Dawson, B. S., *Asst. in Dairy Invest.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.
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[1] For subject matter workers see the respective division; i. e., agronomy, animal husbandry and dairying, etc.

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B. A. Bourne, M. S., *Assoc. Plant Physiol. in Sugar Cane Invest.*
A. A. Daane, Ph. D., *Assoc. Agron.*
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E. R. Purvis, M. S., *Lab. Asst. in Soils.*
F. D. Stevens, M. S., *Assoc. Agron. in Sugar Cane Invest.*
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Tobacco Expt. Sta., *P. O., Quincy*—
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*C. E. Kellogg, M. S., *Prof. An. Husb.*

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‡A. W. Simpson, jr., B. S., *Ext. An. Husb.*

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‡Lurline Collier, B. S., *State Agt. Girls' Club Work.*

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[1] In cooperation with the Georgia experiment station.

[2] For subject-matter workers, see the respective division; i. e., agronomy, animal husbandry, etc.

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‡H. W. Harvey, B. S., *Ext. Hort. in Landsc. Gard.*

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*R. C. Wilson, Ph. G., *Prof. Pharm. and Materia Medica.*

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[1] In cooperation with the Georgia State College of Agriculture.
[2] In cooperation with U. S. D. A. and Georgia State Forest Service.

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[1] For subject-matter workers see the respective division; i. e., agriculture, botany, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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‡Lella R. Gaddis, *State Home Dem. Leader.*
‡Z. M. Smith, Ph. D., *State Club Leader.*
‡W. R. Amick, B. S., *Asst. in Boys' and Girls' Clubs.*
‡H. F. Ainsworth, B. S., *Assoc. in Boys' and Girls' Clubs.*
‡W. Q. Fitch, B. S., *State Leader of Farmers' Insts.*
‡G. M. Frier, B. S., *Assoc. in charge Short Courses and Exhibits.*
‡W. F. Graham, B. S., *Asst. in Short Courses and Exhibits.*

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‡Meta E. Martin, B. S., *Asst. State Home Dem. Leader.*

‡May A. Masten, B. S., *Asst. State Club Leader.*

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‡F. P. Reed, B. S., *Asst. State Club Leader.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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‡E. C. Davis, *Bee Culture Specialist.*

*J. R. Fowler, M. S., *Asst. Prof. Zool.*

‡C. O. Hopkins, M. S., *Ent. Specialist.*

*E. Corinne Keaty, M. S., *Instr. Zool.*

†R. L. Mayhew, Ph. D., *Research Parasitol. (Poultry).*

†B. A. Osterberger, B. S., *Asst. Ent.*

*J. H. Roberts, B. S., *Instr. Ent.*

*O. W. Rosewall, Ph. D., *Prof. Ent.*

*H. A. Stabe, Ph. D., *Asst. Prof. Ent.*

†C. L. Stracener, *Asst. in Ent.*

Miscellaneous:

*Annie M. Beale, *Asst. Libr.*

†‡J. K. McHugh, *Libr.*

*J. A. McMillen, A. B., B. L. S., *Libr.*

*†‡R. P. Swire, B. S., *Treas.*

Substations:

Delta Sta., *P. O., St. Joseph*—C. B. Haddon, B. S., *Supt. in charge.*

Fruit and Truck Sta., *P. O., Hammond*—B. Szymoniak, B. S., *Supt. in charge.*

North La. Sta., *P. O., Calhoun*—Sydney Stewart, B. S., *Supt. in charge.*

Rice Sta., *P. O., Crowley*—J. M. Jenkins, B. S., *Supt. in charge (Coop. U. S. D. A.).*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

Southern University and Agricultural and Mechanical College of the State of Louisiana, *Baton Rouge*

*Agricultural faculty

*J. S. Clark, Ph. D., *President.*

*R. S. Austin, B. S., *An. Husb.*
*E. S. Burke, B. S., *Supvr. of Projects.*
*Minnie N. Champ, B. S., *Dean of Home Econ. and Teacher Trainer.*
*M. J. Clark, B. S., *Hort. and Asst. Teacher Trainer.*
*H. Douglass, B. S. *Dairying.*
*B. Johnson, B. S., *Agr.*
*Cornelius King, B. S., *Dean of Agr. and Teacher Trainer.*
*Beatrice W. Lachard, B. S., *Dressmaking.*
*R. F. Netterville, B. S., *Asst. Teacher Trainer.*
*Virginia Q. Webb, B. S., *Foods.*

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College of Agriculture and the Agricultural Experiment Station of the University of Maine, *Orono*

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†Fred Griffee, Ph. D., *Asst. Dir. of Sta.*
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Agronomy:
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‡A. K. Gardner, B. S., *Crops Specialist.*
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*H. C. Swift, M. S., *Asst. Prof. Agron.*

Animal Industry:
*L. S. Corbett, M. S., *Prof. An. Indus.*
*L. M. Dorsey, M. S., *Prof. Dairy Husb.*
*L. P. Gardner, M. S., *Asst. Prof. Poultry Husb.*
*H. W. Hall, M. S., *Instr. An. Indus.*
‡H. L. Richardson, B. S., *Poultry Specialist.*
*J. R. Smyth, M. S., *Assoc. Prof. Poultry Husb.*
‡R. F. Talbot, B. S., *Dairy Specialist.*

Bacteriology.
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*E. R. Hitchner,[1] M. S., *Prof. Bact.*
*N. C. Laffer, B. S., *Instr. Bact.*

Biology:
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†J. W. Gowen, Ph. D., *Biol.* (*Collaborating*).
†Mrs. Iva M. Burgess, M. S., *Asst. in Biol.*
†F. B. Chandler, B. S., *Lab. and Field Asst.* (*Blueberry Invest.*).
†J. A. Chucka, Ph. D., *Assoc. Biol.* (*Plant Nutr.*).
†Mildred R. Covell, *Asst. in Biol.*
†W. F. Dove, Ph. D., *Assoc. Biol.* (*An. Brdg. and Nutr.*).
†Mrs. Emmeline W. Kenney, *Lab. Asst. in Biol.*
†D. B. Lovejoy, B. S., *Lab. and Field Asst. Biol.* (*Plant Brdg.*).

Biology—Continued.
†Elizabeth F. Murphy, B. A., *Asst. in An. Brdg. and Nutr.*

Botany and Entomology:
*F. H. Steinmetz, Ph. D., *Prof. Bot. and Ent.*
†Edith M. Patch, Ph. D., *Ent.*
†Alice W. Averill, *Lab. Asst. Ent.*
*C. O. Dirks, M. S., *Asst. Prof. Ent.*
†J. H. Hawkins, M. S., *Asst. Ent.*
*Fay Hyland, M. S., *Instr. Bot.*
†C. R. Phipps, Ph. D., *Assoc. Ent.*
*G. P. Steinbauer, Ph. D., *Asst. Prof. Bot.*

Chemistry:
†J. M. Bartlett, Sc. D., *Chem.*
*L. H. Merrill,[1] Sc. D., *Prof. Chem. Emeritus.*
*H. W. Smith, M. S., *Prof. Biol. and Agr. Chem.*
*M. E. Freeman, M. S., *Asst. Prof. Biol. and Agr. Chem.*
†B. E. Plummer, jr., M. S., *Asst. Chem.*
†E. R. Tobey, M. S., Ch. E., *Chem.*
†C. H. White, Ph. C., *Assoc. Chem.*

Economics (Agr.):
*†C. H. Merchant, Ph. D., *Prof. Agr. Econ. and Farm Mgt.; Agr. Econ.*
‡R. H. Atherton, B. S., *Ext. Econ. and Mktg.*
†G. F. Dow, M. S., *Assoc. Agr. Econ.*
*M. D. Jones, M. S., *Prof. Agr. Econ. and Farm Mgt.*
†M. S. Parsons, B. S., *Asst. Agr. Econ.*
‡D. W. Reed, B. S., *Ext. Econ. and Farm Mgt.*
†W. E. Schrumpf, M. S., *Asst. Agr. Econ.*

[1] On leave.

Editorial:
‡G. K. Rule, B. S., *Agr. Editor.*

Education (Agr.):
*H. S. Hill, A. B., *Prof. and State Supvr. Agr. Ed.*

Extension (Admin.):[1]
Director Deering *in charge.*
‡G. E. Lord, B. S., *County Agt. Leader.*
‡Estelle Nason, B. S., *State Home Dem. Leader.*
‡L. H. Shibles, A. B., *State Club Leader.*
‡Mildred G. Brown, B. S., *Asst. State Club Leader.*

Forestry:
*J. M. Briscoe, M. F., *Prof. For.*
*R. I. Ashman, A. B., M. F., *Asst. Prof. For.*
*C. W. L. Chapman, M. S., *Asst. Prof. For.*
‡R. M. Hutchinson, B. S., *For. Specialist.*

Home Economics:
*†Pearl S. Greene, M. A., *Prof. Home Econ.; Home Econ.*
*Rena Campbell, M. S., *Asst. Prof. Home Econ.*
‡Edna M. Cobb, B. S., *Home Mgt. Specialist.*

Home Economics—Continued.
*Gladys M. Gould, B. S., *Instr. Home Econ.*
*Marguerite R. Musgrave, M. A., *Asst. Prof. Home Econ.*
*Beulah E. Osgood, B. S., *Instr. Home Econ.*
‡Helen C. Spaulding, B. S., *Clothing Specialist.*
*†Mrs. Marion D. Sweetman, Ph. D., *Assoc. Prof. and Assoc. Home Econ.*
‡Therese E. Wood, B. S., *Foods Specialist.*

Horticulture:
*J. H. Waring, Ph. D., *Prof. Hort.*
*Roger Clapp, B. S., *Instr. Hort.*
*R. M. Riley, M. S., *Instr. Hort.*

Plant Pathology:
†Donald Folsom, Ph. D., *Plant Path.*
†Gladys E. Babbin, *Seed Analyst and Lab. Asst. in Plant Path.*
†Reiner Bonde, M. S., *Assoc. Plant Path.*
†Florence L. Markin, M. S., *Asst. Plant Path.*

Substations:
Aroostook Farm, *P. O., Presque Isle*—S. O. Hanson, *Supt.*
Highmoor Farm, *P. O., Monmouth*—I. H. Cheney, B. S., *Supt.*

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*†H. J. Patterson, D. Sc., *Dean Coll. of Agr., Dir. of Sta.*
‡T. B. Symons, M. S., D. Agr., *Dir. of Ext. Service.*
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Agronomy:
*†J. E. Metzger, M. A., *Prof. Agron.; Agron.*
*†O. C. Bruce, M. S., *Prof. Soil Tech.; Soil Tech.*
*†G. F. Eppley, M. S., *Asst. Prof. and Asst. Agron.*
*†W. B. Kemp, Ph. D., *Prof. Genetics and Statistics, Asst. Dean of Coll.; Assoc. Agron.*
‡F. W. Oldenburg, B. S., *Agron. Specialist.*
‡W. B. Posey, B. S., *Tobacco Specialist.*
†R. G. Rothgeb, Ph. D., *Asst. in Agron.*
†E. H. Schmidt, M. S., *Asst. Agron.*
†R. L. Sellman, B. S., *Farm Supt.*
*†R. P. Thomas, Ph. D., *Assoc. Prof. and Soil Tech.*
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*†‡DeVoe Meade, Ph. D., *Prof. An. and Dairy Husb.; An. and Dairy Husb.*
*†B. E. Carmichael, M. S., *Prof. An. Husb.; An. Husb.*
†H. L. Ayres, *Specialist in Dairy Mfg.*
‡H. C. Barker, B. S., *Dairy Specialist.*
†M. H. Berry, M. S., *Asst. Dairy Husb.*
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‡J. A. Conover, B. S., *Dairy Specialist.*
*†W. E. Hunt, M. S., *Asst. Prof. and Asst. An. Husb.*
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*†R. C. Munkwitz, M. S., *Asst. Prof. and Asst. in Market Milk.*

[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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‡I. K. Atherton, *Insp. in charge Hog Cholera Work.*

*L. A. Black, Ph. D., *Assoc. Prof. Bact.*

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Botany:

—— ——, *Prof. Bot.; Bot. and Plant Propagation.*

†F. S. Holmes, M. S., *Seed Insp. and Analyst.*

†Constance Church, B. S., *Asst. Seed Analyst.*

†Ellen Emack, *Asst. Seed Analyst.*

†O. H. Faber, B. S., *Asst. Seed Analyst.*

†Ruth M. Mostyn, *Asst. Seed Analyst.*

Chemistry:

*L. B. Broughton, Ph. D., *Prof. Agr. and Food Chem. (State Chem.).*

*L. E. Bopst, B. S., *Chem. in charge Feed and Fert. Insp.*

*H. B. McDonnell, M. S., M. D., *Prof. Agr. Chem.*

*R. C. Wiley, Ph. D., *Assoc. Prof. Anal. Chem.*

Economics—*See* **Farm Management.**

Editorial—*See* **Journalism.**

Education (Agr.):[1]

*H. F. Cotterman, Ph. D., *Prof. Agr. Ed. and Rural Sociol.*

‡C. S. Richardson, A. M., *Specialist in Ed. Ext.*

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Engineering (Agr.):

*‡R. W. Carpenter, A. B., LL. B., *Prof. Agr. Engin.*

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*Paul Knight, M. S., *Asst. Prof. Ent.*

‡G. S. Langford, Ph. D., *Specialist in Insect Control.*

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†‡P. D. Sanders, M. S., *Assoc. Ent.*

Extension (Admin.):[2]

Director Symons *in charge.*

‡F. B. Bomberger, A. M., D. Sc., *Asst. Dir. and Specialist in Rural Organ. and Mktg. (Chief, State Dept. of Markets).*

Extension (Admin.)—Continued.

‡Dorothy Emerson, *State Girls' Club Agt.*

‡E. G. Jenkins, *State Boys' Club Agt.*

‡Venia M. Kellar, B. S., *State Home Dem. Agt.*

Farm Management and Economics (Agr.):

*†‡S. H. DeVault, Ph. D., *Prof. and Specialist in Agr. Econ.*

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‡W. E. Harrison, *Asst. Mktg. Specialist.*

*†R. H. Russell, M. S., *Asst. Prof. and Asst. Agr. Econ.*

‡S. B. Shaw, B. S., *Chief Insp. and Mktg. Specialist.*

‡P. W. Smith, M. S., *Asst. in Econ. and Statistics.*

†W. P. Walker, M. S., *Asst. Agr. Econ.*

Forestry:

*F. W. Besley, M. F., D. Sc., *Prof. Farm For. (State For.).*

Home Economics:

Dean Mount *in charge, and Prof. Home and Institutional Mgt.*

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†Margaret Coffin, M. A., *Research Home Econ.*

*Audrey Killiam, B. S., *Asst. in Home Econ.*

*Mary J. McCurdy, B. S., *Asst. in Home Econ.*

*Mrs. Frieda M. McFarland, M. A., *Prof. Textiles and Clothing.*

*Edna B. McNaughton, M. A., *Prof. Home Econ. Ed.*

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*Eleanor L. Murphy, B. S., *Asst. Prof. Home Mgt.*

‡Helen Shelby, M. A., *Clothing Specialist.*

*Mrs. Claribel P. Welsh, M. A., *Assoc. Prof. Foods.*

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Horticulture:

*†E C. Auchter, Ph. D., *Prof. Hort.; Hort.*

‡W. R. Ballard, B. S., *Ext. Hort.*

‡J. B. Blandford, *Ext. Hort.*

*V. R. Boswell, Ph. D., *Lect. on Oler.*

*H. B. Cordner, M. S., *Instr. Veg. Culture.*

‡L. M. Goodwin, B. S., *Canning Crops Specialist (P. O., Denton).*

‡A. E. Mercker, *Potato Specialist.*

†A. L. Schrader, Ph. D., *Pomol.*

*A. S. Thurston, M. S., *Assoc. Prof. Flor. and Landsc. Gard.*

[1] Courses given in College of Education.

[2] For subject-matter workers see the respective division; i. e., agronomy, animal and dairy husbandry, etc.

Horticulture—Continued.

‡A. F. Vierheller, M. S., *Hort. Specialist.*

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†T. H. White, M. S., *Olcr. and Flor.*

Journalism:

‡A. H. Snyder, B. E., *Ext. Editor.*

‡O. R. Carrington, B. A., *Asst. Specialist in Agr. Journalism.*

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Plant Pathology:

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*‡C. E. Temple, M. A., *Prof. and Specialist in Plant Path. (State Plant Path.).*

‡H. A. Hunter, M. S., *Canning Crops Path.*

†‡R. A. Jehle, Ph. D., *Assoc. and Specialist in Plant Path.*

Plant Physiology and Biochemistry:

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Plant Physiology and Biochemistry—Continued.

*†C. M. Conrad, Ph. D., *Asst. Prof. Plant Physiol. and Biochem.; Asst. Plant Physiol.*

*†C. L. Smith, Ph. D., *Instr. and Asst. in Plant Physiol.*

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†‡H. M. De Volt, D. V. M., M. S., *Poultry Disease Specialist.*

*†G. D. Quigley, B. S., *Asst. Prof. and Asst. Poultry Husb.*

‡P. A. Raper, B. S., *Asst. in Poultry Certification.*

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Miscellaneous:

*Grace Barnes, B. S., B. L. S., *Libr.*

Substations:

Ridgely Farm, *P. O., Ridgely*—*Albert* White, B. S., *Supt.*

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*C. E. Clark, *An. Husb.*

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*Mrs. Thelma E. Skelton, *Dom. Art.*

*J. E. Smith, *Agr.*

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*W. L. Machmer, A. M., *Dean.*

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‡W. A. Munson, B. S., *Dir. of Ext. Service.*

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*J. L. Haddock, B. S., *Instr. Agron.*

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Animal Husbandry:

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‡C. J. Fawcett, B. S., *Ext. Prof. An. Husb.*

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*G. V. Glatfelter, M. S., *Asst. Prof. An. Husb.*

*†C. H. Parsons, B. S., *Asst. Prof. An. Husb.; Farm Supt.*

Bacteriology and Physiology:

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*R. C. Packard, B. S., *Instr. Bact.*

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‡O. C. Boyd, Ph. D., *Ext. Plant Path.*

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*W. H. Davis, Ph. D., *Asst. Prof. Bot.*

†W. L. Doran, M. S., *Research Prof. Bot.*

Botany—Continued.

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†L. H. Jones, Ph. D., *Asst. Research Prof. Bot.*

†Gladys I. Miner, *Curator, Dept. of Bot.*

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†J. B. Lindsey, Ph. D., *Research Prof. and Head Dept. of Plant and An. Chem. Vice Dir. of Sta.*

†H. D. Haskins, B. S., *Chief of Fert. Control Lab.*

†P. H. Smith, M. S., *Chief of Lab. in Feed, Seed, and Dairy Glassware Control.*

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†C. P. Jones, M. S., *Asst. Research Prof. Chem.*

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*C. A. Peters, Ph. D., *Prof. Inorg. and Soil Chem.*

*Paul Serex, Ph. D., *Asst. Prof. Chem.*

†A. F. Spelman, B. S., *Junior Chem.*

Dairy Industry:

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Economics (Agr.)—Continued.

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‡H. B. Rowe, B. S., *Agr. Econ. Specialist.*

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*H. N. Glick, Ph. D., *Prof. Agr. Ed.*

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*J. B. Newlon, *Instr. Agr. Engin.*

*G. F. Pushee, *Instr. Agr. Engin.*

*W. H. Tague, B. S., *Asst. Prof. Agr. Engin.*

Entomology, Zoology, and Geology:

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*C. P. Alexander, Ph. D., *Prof. Ent.*

†A. I. Bourne, B. A., *Research Prof. Ent.*

*G. C. Crampton, Ph. D., *Prof. Insect Morphol.*

*C. L. Farrar, B. S., *Asst. Prof. Beekeeping and Ent.*

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*H. L. Sweetman, Ph. D., *Asst. Prof. Ent.*

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Extension (Admin.): [1]

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‡G. L. Farley, M. S., *State Club Leader.*

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‡Helen E. Doane, *Asst. State Club Leader.*

‡Marion E. Forbes, *Asst. State Club Leader.*

‡H. A. Leland, B. S., *Asst. State Club Leader.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., animal husbandry, botany, etc.

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*†L. H. Schoenleber, M. S., *Instr. Agr. Engin.; Asst. in Land Clearing.*

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†Erdman Braun, B. S., *Asst. in Ent.*
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Farm Management and Agricultural Economics—Continued.

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*Hope H. Hunt, M. S., *Instr. Home Econ.*
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‡M. Lois Reid, B. S., *Clothing Specialist.*
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Fruit Brdg. Farm, *P. O., Excelsior*—
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Entomology—*See* **Zoology.**

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Director Olson *in charge.*
‡L. I. Jones, B. S., *Asst. Ext. Dir. and State Agt. in charge Men's Work.*
‡May Creswell, A. B., *State Home Dem. Agt.*

[1] On leave.
[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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‡F. J. Hurst, B. S., *Asst. in Boys' Club Work (P. O., Jackson).*
‡H. S. Johnson, B. S., *Asst. in Boys' Club Work.*
‡Elaine E. Massey, *Asst. in charge Girls' Club Work.*

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‡D. E. Lauderburn, *For. Specialist (P. O., Jackson).*

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†Dorothy Dickins, M. A., *Head Dept. of Home Econ. Research.*
†Ernestine Frazier,[1] B. S., *Asst. in Home Econ. Research.*
‡May Haddon, M. A., *Nutr. Specialist.*
‡Anne O. Jordan, B. S., *Home Mgt. Specialist.*
‡Ouida Midkiff, A. B., *Women's Organ. and Clothing Specialist.*
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*†Jim Cummins, *Foreman.*
‡Chesley Hines, B. S., *Fruit Specialist.*
‡A. B. McKay, B. S., *Leader in Hort. Ext.*
*R. B. Magee, B. S., *Supt. of Grounds.*
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*†H. B. White, M. S., *Assoc. Prof. Hort.; Hort.*

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*Walker Kincaid, M. A., *Assoc. Prof. Phys., Actg. Head of Dept.*
*E. H. Haddock, M. A., *Instr. Phys.*
*M. L. Thompson, B. S., *Instr. Phys.*
*H. M. Trent, M. A., *Asst. Prof. Phys.*

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‡Eva E. Legett, *Poultry Husb. Specialist.*
*H. D. Polk, B. S., *Instr. Poultry Husb.*
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*E. W. Stafford, M. S., *Assoc. Prof. Zool. and Ent.*
*J. W. Ward, B. A., *Instr. Zool.*

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†W. C. Hall, A. M., *Research Asst. Dairy Husb.*
*†H. A. Herman, B. S., *Instr. Dairy Husb.*

[1] This institution gives the academic title to all employees.
[2] On leave.

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*†P. H. Johnson, M. S., *Asst. Ent.*

‡G. D. Jones, B. S., *Ext. Instr. Ent.*

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‡R. R. Thomasson, B. S., *Asst. Dir. in charge.*

‡Sara H. Chiles, B. S., *Asst. Boys' and Girls' Club Agt.*

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‡R. H. Emberson, B. S., *Boys' and Girls' Club Agt.*

‡J. R. Fleetwood, A. M., *State Club Agt.*

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*†E. M. Brown, A. M., *Asst. Instr. Field Crops.*

‡C. E. Carter, B. S., *Ext. Assoc. Prof. Field Crops.*

†Clara Fuhr, M. S., *Seed Analyst (Coop. U. S. D. A.).*

†S. F. Goodsell, M. S., *Asst. in Field Crops.*

‡K. G. Harman, B. S., *Ext. Asst. Prof. Field Crops.*

*†C. A. Helm, A. M., *Assoc. Prof. Field Crops.*

*†B. M. King, A. M., *Asst. Prof. Field Crops (Coop. U. S. D. A.)*

*†R. T. Kirkpatrick, M. A., *Asst. Prof. Field Crops.*

*†L. J. Stadler, Ph. D., *Assoc. Prof. Field Crops (Coop. U. S. D. A.).*

*†W. R. Tascher, Ph. D., *Asst. Prof. Field Crops.*

‡I. P. Trotter, M. S., *Ext. Asst. Prof. Field Crops.*

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*W. A. Tarr, Ph. D., D. Sc., *Prof. Geol. and Mineralogy.*

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*Helen E. Beresford, B. S., *Asst. Prof. Home Econ.*

‡Flora L. Carl, M. A., *Nutr. Specialist.*

‡I. Fra Clark, A. M., *Ext. Asst. Prof. Home Econ. (Home Mgt.).*

*†Jessie A. Cline, A. M., *Prof. Home Econ.*

*Jessie V. Coles, M. A., *Assoc. Prof. Home Econ.*

†Sylvia Cover, A. M., *Research Asst. in Home Econ.*

*†Mrs. Adella E. Ginter, M. S., *Asst. Prof. Home Econ.*

[1] On leave.

[2] For subject-matter workers see the respective division; i. e., animal husbandry, botany, etc.

Home Economics—Continued.

*Mrs. Minerva V. Grace, M. S., *Asst. Prof. Home Econ.*

*†Margaret C. Hessler, Ph. D., *Assoc. Prof. Home Econ.*

‡Essie M. Heyle, A. M., *Prof. in charge Home Econ. Ext.*

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‡Mary E. Robinson, B. S., *Ext. Assoc. Prof. Home Econ. (Clothing).*

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†Arthur Meyer, M. S., *Research Asst. in Hort.*

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Physics:

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Poultry Husbandry:

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*†E. M. Funk, M. S., *Asst. Prof. Poultry Husb.*

‡Berley Winton, A. M., *Ext. Assoc. Prof. Poultry Husb.*

Sociology (Rural):

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*†Jane Frodsham, *in charge Agr. Libr.*

*†‡J. R. Jordan, *Auditor.*

*†R. B. Price, LL. B., *Treas.*

*George Reeder, *Lect. on Met. and Climat., Met. in U. S. Weather Bureau.*

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MONTANA

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[1] On leave.

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Editorial *See* **Publications.**

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†Dorothy Douglass, M. A., *Asst. in Research Home Econ.*
‡Nora L. Hulbush, B. S., *Home Mgt. Specialist.*
‡Hazel Kidder, B. A., *Clothing Specialist.*
*Mildred Leigh, M. A., *Instr. Home Econ.*
*Edith Rhyne, M. A., *Asst. Prof. Home Econ.*

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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‡H. R. Niswonger, M. A., *Hort. Specialist.*
*J. P. Pillsbury, B. S., *Prof. Landsc. Arch.*
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Physics:
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*†C. P. Loomis, M. S., *Assoc. in Rural Sociol.*

[1] Courses given in School of Education.
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†Elizabeth Haban, *Lab. Asst.*
*F. B. Meacham, M. S., *Asst. Prof. Zool.*
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‡C. L. Sams, *Beekeeping Specialist.*

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*Mrs. Charlotte M. Williamson, *Asst. Libr.*

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Blackland Branch Sta., *P. O. Wenona*—
J. L. Rea, jr., B. S., *Asst. Dir.*
A. P. Lefevers, *Swine Herdsman.*
Coastal Plain Branch Sta., P. O., *Willard*—
Charles Dearing, B. S., *Asst. Dir.* (*Coop. U. S. D. A.*).

Branch Stations—Continued.

Coastal Plain Branch Sta.—Contd.
T. H. Cameron, *Dairy Herdsman.*
C. O. Bollinger, *Poultryman.*
D. P. Southerland, *Foreman.*
Mountain Branch Sta., *P. O., Swannanoa*—
S. C. Clapp, *Asst. Dir.*
H. B. Coulter, *Dairy Herdsman.*
C. E. Keith, *Poultryman.*
W. M. Whisenhunt, *Foreman.*
Piedmont Branch Sta., *P. O. Statesville*—
H. C. Meacham, *Actg. Asst. Dir.*
Tobacco Branch Sta., *P. O., Oxford*—
E. G. Moss, *Asst. Dir.* (*Coop. U. S. D. A.*).
James Bullock, *Asst. Tobacco Specialist.*
A. B. Dean, *Foreman.*
Upper Coastal Plain Branch Sta., *P. O., Rocky Mount*—
R. E. Currin, jr., *Asst. Dir.*
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‡D. F. Lowe, *State Home Dem. Agt.*
‡J. W. Mitchell, *State Farm Dem. Agt.*
‡Annie M. Murray, *Home Dem. Agt.*
‡S. B. Simmons, B. S., *Voc. Agr. Supvr. and Itinerant Teacher Trainer.*
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†Thomas Sanderson, *Miller.*
†T. E. Stoa, M. S., *Asst. Agron.* (*Cereals*).
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Editorial and Publicity:

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Editorial and Publicity—Continued.

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[1] See also experiment station staff.

[2] For subject-matter workers see the respective division; i. e., animal husbandry, botany, etc.

[3] On leave.

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*Marian E. Griffith, B. S., *Instr. Home Econ.*[1]
*Medora B. Grandprey, B. S., *Instr. Home Econ.*
*Alma Heiner, B. S., *Instr. Home Econ.*
*Osee Hughes, M. S., *Instr. Home Econ.*
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*Mrs. June F. Kennedy, M. A., *Asst. Prof. Home Econ.*
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*Wendell Paddock, M. S., *Prof. Hort.*
‡F. H. Beach, B. S., *Hort. Specialist.*
*H. D. Brown, Ph. D., *Prof. Veg. Gard.*[1]
*‡L. C. Chadwick, B. S., *Asst. Prof. Flor.*
‡F. W. Dean, B. S. F., *For. Specialist.*[1]
*I. C. Hoffman, M. S., *Asst. Prof. Hort.*[1]
‡C. S. Holland, B. S., *Hort. Specialist.*
*F. S. Howlett, Ph. D., *Asst. Prof. Hort.*[1]
‡Irwin Klein, *Flor. Specialist.*

[1] See also experiment station staff.

Horticulture and Forestry—Contd.

*Alex Laurie, M. A., *Prof. Flor.*[1]
‡E. R. Lancashire, M. S., *Veg. Gard. Specialist.*
‡A. W. Marion, B. S., *Veg. Gard. Specialist.*
*L. M. Montgomery, M. S., *Prof. Hort.*
*‡V. H. Ries, M. S., *Asst. Prof. Flor.*
*J. S. Shoemaker, Ph. D., *Asst. Prof. Hort.*[1]
‡E. B. Tussing, B. S., *Veg. Gard. Specialist.*
*E. G. Wiesehuegel, M. S. F., *Asst. Prof. For.*
‡W. W. Wiggin, M. S., *Flor. Specialist.*[1]

Journalism:

‡J. E. McClintock, M. S., *Supvr. Home Reading Courses, Editor.*
‡Ethel M. Cadley, *Asst. Editor.*
‡E. M. Rowalt, B. S., *Asst. Editor.*
*‡R. N. Sill, B. S., *Asst. Editor.*
‡C. E. Wilson, A. B., *Asst. in Photog. and Illustrations (Visual Instr.).*

Poultry Husbandry:

*E. L. Dakan, B. S., *Chair. of Dept.*
‡R. E. Cray, M. S., *Poultry Specialist.*
‡C. M. Ferguson, B. S., *Poultry Specialist.*
*A. R. Winter, Ph. D., *Asst. Prof. Poultry Husb.*
‡P. B. Zumbro, B. S., *Poultry Specialist.*

Soils:

*R. M. Salter, M. S., *Chair. of Dept.*[1]
*H. W. Batchelor, M. S., *Asst. Prof. Soils.*[1]
*Richard Bradfield, Ph. D., *Prof. Soils.*[1]
*G. W. Conrey, Ph. D., *Assoc. Prof. Soils.*[1]
*‡D. R. Dodd, B. S., *Soils and Crops Specialist.*
*G. M. McClure, M. S., *Asst. Prof. Soils.*[1]
*‡F. J. Salter, Ph. D., *Asst. Prof. Soils and Soils and Crops Specialist.*
‡J. A. Slipher, B. S., *Soils and Crops Specialist.*
*C. L. Thrash, M. S., *Instr. Soils.*[1]

Veterinary Medicine:

Dean Brumley *in charge.*
*A. F. Schalk, D. V. M., *Chair. Dept. of Preventive Med.*
*Alvin Broerman, D. V. M., *Assoc. Prof. Vet. Med.*[1] *(P. O., Reynoldsburg).*
*B. H. Edgington, M. D. C., D. V. M., *Assoc. Prof. Vet. Med.*[1]
*L. W. Goss, D. V. M., *Prof. Vet. Path.*
*J. D. Grossman, D. V. M., *Prof. Vet. Anat.*
*W. F. Guard, D. V. M., *Prof. Vet. Surg., Dir. of Clinics.*
*D. W. Ashcraft, D. V. M., M. S., *Instr. Vet. Anat. and Physiol.*
*W. R. Hobbs, D. V. M., *Assoc. Prof. Vet. Surg.*

Veterinary Medicine—Continued.

*W. R. Krill, B. S., D. V. M., *Instr. Vet. Med.*

*R. E. Rebrassier, M. S., D. V. M., *Asst. Prof. Vet. Path.*[1] (*P. O., Reynoldsburg*).

*J. N. Shoemaker, D. V. M., *Asst. Prof. Vet. Med.*

Zoology and Entomology:

*R. C. Osburn, Ph. D., *Chair. of Dept.*

‡V. N. Argo, M. S., *Bee Specialist.*

*W. M. Barrows, D. Sc., *Prof. Zool.*

*D. M. DeLong, Ph. D., *Prof. Ent.*

*W. E. Dunham, Ph. D., *Instr. Apiculture.*

Zoology and Entomology—Continued.

*C. H. Kennedy, Ph. D., *Assoc. Prof. Ent.*

*W. J. Kostir, M. A., *Asst. Prof. Zool.*

*D. F. Miller, Ph. D., *Asst. Prof. Zool.*

*J. A. Miller, M. S., *Instr. Zool.*

*J. N. Miller, M. S., *Instr. Zool.*

*Herbert Osborn, D. Sc., LL. D., *Research Prof. Zool. and Ent.*[1]

‡T. H. Parks, M. S., *Ent. Specialist.*

*Alvah Peterson, Ph. D., *Prof. Ent.*

*J. W. Price, M. S., *Asst. Prof. Zool.*

*L. H. Snyder, Sc. D., *Assoc. Prof. Zool.*

*E. N. Warner, B. S., *Instr. Zool.*

Ohio Agricultural Experiment Station, *Wooster*

†Station staff

†C. G. Williams, *Director.*

Agronomy:

†R. M. Salter, M. S., *Chief.*

†C. E. Thorne, D. Sc., *Consult. Chief.*

†J. W. Ames, M. S., *Assoc. in Agron.* (*Chem.*).

†E. E. Barnes, Ph. D., *Assoc. Agron.*

†H. W. Batchelor, M. S., *Assoc. Agron.* (*Soils*).

†E. G. Bayfield, M. S., *Asst. in Research* (*Cereal Chem.*).

†H. L. Borst, Ph. D., *Asst. in Agron.* (*P. O., Columbus*).

†Richard Bradfield, Ph. D., *Assoc. in Agron.* (*P. O., Columbus*).

†J. C. Carroll, M. S., *Asst. Agron.*

†G. W. Conrey, Ph. D., *Assoc. in Agron.* (*Soils*).

†I. H. Curie, M. S., *Asst. in Agron.* (*Soils*).

†J. S. Cutler, M. S., *Asst. Agron. in charge Outlying Expts.* (*Coop. U. S. D. A.*).

†F. R. Dreibelbis, M. S., *Asst. in Agron.* (*Chem.*).

†R. W. Gerdel, Ph. D., *Asst. in Agron.* (*Chem.*).

†T. C. Green, B. S., *Asst. in Agron.* (*Soils*).

†K. Kitsuta, Ph. D., *Asst. Agron.*

†G. M. McClure, M. S., *Asst. in Agron.* (*P. O., Columbus*).

†J. T. McClure, B. S., *Asst. Agron.* (*P. O., Columbus*).

†V. H. Morris, Ph. D., *Assoc. Agron.* (*Chem.: Coop. U. S. D. A.*).

†J. B. Park, D. Sc., *Assoc. Agron.* (*P. O., Columbus*).

†A. H. Paschall, B. S., *Asst. in Agron.*

†C. A. Patton, *Asst. Agron. and Climat. Observer.*

†J. D. Sayre, Ph. D., *Asst. in Agron.* (*Coop. U. S. D. A.*).

†C. J. Schollenberger, A. B., *Asst. in Agron.* (*Chem.*).

Agronomy—Continued.

†R. H. Simon, A. M., *Asst. in Agron.* (*Chem.*).

†J. G. Steele, B. S., *Asst. in Agron.*

†G. H. Stringfield, M. S., *Assoc. Agron.* (*Coop. U. S. D. A.*).

†L. E. Thatcher, Ph. G., *Assoc. Agron.* (*Farm Crops*).

†C. L. Thrash, M. S., *Asst. Agron.* (*Soils: P. O., Columbus*).

†F. A. Welton, Ph. D., *Assoc. Agron.* (*Farm Crops*).

†C. J. Willard, Ph. D., *Assoc. Agron.* (*P. O., Columbus*).

Animal Industry:

†Paul Gerlaugh, M. S., *Chief.*

†D. S. Bell, M. S., *Assoc.* (*Sheep Invest.*).

†D. F. Bent, jr., B. S., *Asst. in An. Indus.* (*P. O. Reynoldsburg*).

†R. M. Bethke, Ph. D., *Assoc.* (*Nutr.*).

†Alvin Broerman, D. V. M., *Assoc.* (*Path.: P. O., Reynoldsburg*).

†V. D. Chamberlin, B. S., *Asst. in Poultry.*

†B. H. Edgington, M. D. C., D. V. M., *An. Path.*

†C. W. Gay, B. S., D. V. M., *Assoc. in An. Indus.* (*P. O., Columbus*).

†C. H. Hunt, Ph. D., *Assoc.* (*Nutr.*).

†D. C. Kennard, Ph. C., B. S., *Assoc.* (*Poultry Invest.*).

†C. H. Kick, M. S., *Asst. in Nutr.*

†R. E. Rebrassier, M. S., D. V. M., *Assoc. Parasitol.* (*P. O., Reynoldsburg*).

†P. R. Record, M. S., *Asst. in Poultry.*

†W. L. Robison, M. S., *Assoc.* (*Swine Invest.*).

†O. H. M. Wilder, B. S., *Asst. in Nutr.*

†Mrs. Willard H. Wilder, B. S., *Asst. in Nutr.*

[1] See also experiment station staff.

Botany and Plant Pathology:

†H. C. Young, Ph. D., *Chief.*
†L. J. Alexander, M. S., *Asst. Plant Path.*
†L. M. Cooley, M. S., *Asst. Plant Path.*
†Curtis May, M. A., *Assoc. Plant Path.*
†H. A. Runnels, M. S., *Asst. Plant Path.*
†J. D. Sayre, Ph. D., *Assoc. Plant Path.*
†R. C. Thomas, M. A., *Assoc. Plant Path.*
†P. E. Tilford, M. S., *Assoc. Plant Path.*
†J. D. Wilson, Ph. D., *Asst. Plant Path.*
†H. F. Winter, B. S., *Asst. Plant Path.*

Dairy Industry:

†C. C. Hayden, M. S., *Chief.*
†C. E. Knoop, *Asst. in Dairy Indus.*
†W. E. Krauss, Ph. D., *Assoc. in Dairy Indus.*
†C. F. Monroe, M. S., *Asst. Dairy Chem.*
†A. E. Perkins, M. S., *Assoc. in Dairy Indus.*
†R. G. Washburn, A. B., *Asst. Dairy Chem.*

Economics (Rural):[1]

†J. I. Falconer, Ph. D., *Chief.*
†J. F. Dowler, M. S., *Asst.*
†C. W. Hauck, M. S., *Asst.*
†G. F. Henning, M. S., *Asst.*
†C. G. McBride, Ph. D., *Asst.*
†H. R. Moore, M. S., *Asst.*
†F. L. Morison, M. S., *Asst.*
†R. E. Sherman, B. S., *Asst.*
†W. B. Stout, Ph. D., *Asst.*
†R. E. Straszheim, B. S., *Asst.*
†V. R. Wertz, Ph. D., *Asst.*

Editorial:

†Mrs. Mildred S. Krauss, M. A., *Editor.*

Engineering (Agr.):[1]

†G. W. McCuen, B. S., *Chief.*
†R. C. Miller, B. S., *Asst.*
†C. O. Reed, B. S., *Assoc.*
†V. L. Overholt, B. S., *Asst.*
†E. A. Silver, B. S., *Research Engin.*

Entomology:

†J. S. Houser, M. S., *Chief.*
†C. R. Cutright, Ph. D., *Assoc. Ent.*
†G. A. Filinger, M. S., *Asst. Ent.*
†H. L. Gui, M. S., *Asst. Ent.*
†E. A. Herr, M. S., *Asst. Ent.*
†L. L. Huber, Ph. D., *Assoc. Ent.*
†E. G. Kelsheimer, M. S., *Asst. Ent.* (*P. O., Oak Harbor*).
†C. R. Neiswander, Ph. D., *Assoc. Ent.*
†R. B. Neiswander, M. S., *Asst. Ent.*
†Herbert Osborn, D. Sc., LL. D., *Assoc. Ent.* (*P. O., Columbus*).
†J. B. Polivka, Ph. D., *Asst. Ent.* (*P. O., Oak Harbor*).
†J. R. Savage, M. S., *Asst. Ent.*
†J. P. Sleesman, Ph. D., *Asst. Ent.*
†M. A. Vogel, B. S., *Asst. Ent.*

Forestry:

†Edmund Secrest, B. S., *Chief For. and Assoc. Dir. of Sta.* (*State For.*).
†O. A. Alderman, M. F., *Assoc. For.* (*P. O., Chillicothe*).
†R. F. Bower, B. S., *Asst. For.*
†J. J. Crumley, Ph. D., *Assoc. For.* (*P. O., Athens*).
†F. W. Dean, B. S. F., *Asst. For.*
†J. H. Hawkins, B. S., *Asst. For.*
†B. E. Leete, M. F., *Assoc. For.* (*P. O., Portsmouth*).
†R. R. Paton, B. S., M. F., *Asst. For.*
†B. S. Skinner, B. S., *Asst. For.* (*P. O., Yellow Springs*).

Home Economics:[1]

†Faith R. Lanman, M. A., *Chief.*
†Mary A. Brown, M. S., *Asst.*
†Marion E. Griffith, B. S., *Asst.*
†Hughina McKay, M. A. *Assoc.*

Horticulture:

†J. H. Gourley, M. S., *Chief.*
†F. H. Ballou, *Assoc. Hort.* (*P. O., Newark*).
†H. D. Brown, Ph. D., *Assoc. Hort.* (*P. O., Columbus*).
†John Bushnell, Ph. D., *Assoc. Hort.*
†Donald Comin, M. S., *Asst. Hort.*
†C. W. Ellenwood, *Asst. Hort.*
†H. C. Esper, B. S., *Research Asst. in Hort.* (*P. O., Columbus*).
†I. C. Hoffman, M. S., *Asst. Hort.*
†F. S. Howlett, Ph. D., *Assoc. Hort.*
†Alex Laurie, M. A., *Assoc. Hort.* (*P. O., Columbus*).
†I. P. Lewis, M. S., *Asst. Hort.* (*P. O., New Waterford*).
†Roy Magruder, B. S., *Asst. Hort.*
†J. S. Shoemaker, Ph. D., *Assoc. Hort.*
†W. W. Wiggin, M. S., *Asst. Hort.*

Miscellaneous:

†W. H. Alexander, *Climat.* (*Coop. U. S. D. A.: P. O., Columbus*).
†W. H. Kramer, *Burser.*
†Louise Hart, A. B., *Libr.*

Substations:

M. A. Bachtell, B. S., *in charge.*
Northeastern Expt. Farm, *P. O., Strongsville*—L. A. Malik, *Supt.*
Northwestern Expt. Farm, *P. O., Holgate*—J. B. McLaughlin, B. S., *in charge.*
Southeastern Expt. Farm, *P. O. Carpenter*—S. C. Hartman, M. S., *Supt.*
Southwestern Expt. Farm, *P. O., Germantown*—H. M. Wachter, *Supt.*
Belmont County Expt. Farm, *P. O. St. Clairsville*—Walter Mahan, *Supt.*

[1] Post office for staff, *Columbus,* unless otherwise stated.

Substations—Continued.

Clermont County Expt. Farm, *P. O., Batavia*—H. S. Elliott, *Supt.*

Hamilton County Expt. Farm, *P. O., Mt. Healthy*—W. E. Weaver, *Supt.*

Madison County Expt. Farm, *P. O., London*—H. W. Rogers, B. S., *Supt.*

Mahoning County Expt. Farm, *P. O., Canfield*—L. W. Sherman, M. S., *Supt.*

Miami County Expt. Farm, *P. O., Troy*—P. A. Jones, *Supt.*

Substations—Continued.

Paulding County Expt. Farm, *Paulding*—H. R. Hoyt, *Supt.* (*P. O., Wooster*).

Trumbull County Expt. Farm, *P. O., Cortland*—Harold Allen, *Supt.*

Washington County Expt. Farm, *P. O., Fleming*—S. C. Hartman, M. S., *Supt.*

Washington County Truck Farm, *P. O., Marietta*—O. N. Riley, *Foreman.*

OKLAHOMA

Oklahoma Agricultural and Mechanical College and the Agricultural Experiment Station, *Stillwater*

*College faculty. †Station staff. ‡Extension staff

*H. G. Bennett, Ph. D., *President.*
*†C. P. Blackwell, M. S., *Dean School of Agr., Dir. of Sta.*
‡D. P. Trent, B. S., *Dir. of Ext.*

Animal Husbandry:

†W. L. Blizzard, B. S., *Prof. and Head of Dept.*

‡P. G. Adams, B. S., *Ext. An. Husb.*

*†F. J. Beard,[1] M. S., *Assoc. Prof. and Assoc. An. Husb.* (*Horses*).

*†W. A. Craft, M. S., *Assoc. Prof. and Assoc. An. Husb.* (*An. Brdg.*).

*†A. E. Darlow, M. S., *Assoc. Prof. and Assoc. An. Husb.* (*Sheep*).

*†L. E. Hawkins, Ph. D., *Asst. Prof and Asst. An. Husb.* (*An. Brdg.*).

*†C. P. Thompson, M. S., *Prof. An. Husb.; An. Husb.* (*Hogs*).

Bacteriology, Physiology, and Veterinary Science:

*C. H. McElroy, B. S., D. V. M., *Head of Dept.*

*E. E. Harnden, B. S., D. V. M., *Assoc. Prof. Vet. Med.*

*†L. H. Moe, D. V. M., *Asst. Prof. Bact. and Vet. Med.; Asst. Bact.*

*†H. W. Orr, D. V. M., *Prof. Bact. and Vet. Med.; Bact. and Vet.*

*Frances E. Willison, M. A., *Asst. Prof. Bact.*

Botany and Plant Pathology:

*†F. M. Rolfs, Ph. D., *Prof. and Head of Dept.*

*H. I. Featherly, M. S., *Assoc. Prof. Bot. and Plant Path.*

*C. P. Freeman, M. S., *Asst. Prof. Bot.*

*D. E. McHenry, M. A., *Asst. Prof. Bot.*

*O. C. Schultz,[1] B. S., *Assoc. Prof. Bot. and Plant Path.*

*Robert Stratton, M. A., *Assoc. Prof. Bot. and Plant Path.*

Chemistry:

*O. M. Smith, Ph. D., *Prof. and Head Dept. of Chem.*

*†V. G. Heller, Ph. D., *Prof. and Head Dept. of Agr. Chem. Research.*

*J. A. Burrows, Ph. D., *Assoc. Prof. Chem.*

†Mrs. Callie M. Coons, Ph. D., *Asst. in Nutr.*

*†W. D. Gallup, M. S., *Asst. Prof. and Asst. Agr. Chem.*

*Ruth M. Gerber, M. S., *Asst. Prof. Chem.*

*H. P. Howells, Ph. D., *Assoc. Prof. Chem.*

*C. L. Nickolls, M. S., *Assoc. Prof. Chem.*

†Mrs. Ruth R. St. Julian, Ph. D., *Assoc. in Human Nutr. and Dietetics.*

*L. F. Sheerar, M. S., *Asst. Prof. Chem.*

*T. L. Schiefelbusch, B. S., *Asst. Prof. Chem.*

*H. M. Trimble, Ph. D., *Prof. Chem.*

*†J. E. Webster, Ph. D., *Assoc. Prof. and Assoc. Research Chem.*

*S. R. Wood,[1] M. S., *Asst. Prof. Chem.*

Dairying:

*†Earl Weaver, M. S., *Prof. and Head of Dept.*

‡J. W. Boehr, M. S., *Ext. Dairyman.*

‡S. B. Durham, B. S., *Dairy Agt.*

*E. L. Fouts, B. S., *Asst. Prof. Dairying.*

*†J. I. Keith, M. S., *Assoc. Prof. and Assoc. in Dairy Mfg.*

*†A. H. Kuhlman, Ph. D., *Prof. Dairy Husb.; Dairy Husb.*

[1] On leave.

Dairying—Continued.
*†P. C. McGilliard, B. S., *Asst. Prof. and Asst. Dairy Husb.*
‡A. A. McPheeters, B. S., *Dairy Agt.*
‡H. P. Moffit, M. S., *Dairy Agt.*
‡L. H. Stinnett, B. S., *Dairy Agt.*

Economics (Agr.):
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*†O. D. Duncan, M. S., *Assoc. Prof. and Assoc. in Rural Sociol.*
†L. S. Ellis, Ph. D., *in charge Invest. in Agr. Prices.*
‡H. A. Graham, M. S., *Mktg. Specialist.*
*†O. W. Herrmann, M. S., *Assoc. Prof. and Assoc. in Agr. Mktg.*
‡P. J. Nelson, Ph. D., *Ext. Econ. in Farm Mgt.*
*†P. H. Stephens, Ph. D., *Assoc. Prof. and Assoc. in Farm Mgt. Actg. Head of Dept.*

Editorial—*See* **Journalism.**

Education (Agr.):
*D. C. McIntosh, Ph. D., *Prof. and Head of Dept. Dean of Grad. School.*
*P. M. Hewitt, M. S., *Assoc. Prof. Agr. Ed.*
*Allan Kirkpatrick, B. S., *Teacher Trainer in Agr. Ed.*
*J. C. Muerman, Ph. D., *Prof. Rural Ed.*
*D. M. Orr, B. S., *Asst. Prof. and Teacher Trainer in Agr. Ed.*

Engineering (Agr.):
*†L. E. Hazen, M. E., *Prof. and Head of Dept.*
†H. E. Bergschneider, B. S., *Agr. Engin. (P. O., Guthrie).*
‡J. W. Carpenter, jr., B. S. *Ext. Agr. Engin.*
‡C. V. Phagan, B. S., *Ext. Asst. Agr. Engin.*
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Entomology:
*†C. E. Sanborn, A. M., *Prof. and Head of Dept.*
*†G. A. Bieberdorf, B. S., *Asst. Prof. and Asst. Ent.*
‡W. E. Jackson, B. S., *Boll Weevil Field Agt.*
‡Ernest Lowe, B. S., *Boll Weevil Field Agt.*
*G. A. Moore, M. S., *Asst. Prof. Zool.*
‡C. F. Stiles, B. S., *Ext. Ent.*
*†F. E. Whitehead, M. S., *Asst. Prof. and Asst. Ent.*

Extension (Admin.):[2]
Director Trent *in charge.*
‡E. E. Scholl, B. S., *Asst. Dir.*
‡Norma M. Brumbaugh, B. S., *State Home Dem. Agt.*
‡B. A. Pratt, M. S., *State Club Agt.*
‡H. M. Cavett, B. S., *Asst. State Club Agt.*
‡Mrs. Elva R. Duvall, *Asst. State Club Agt.*
‡H. F. Mercer, *Asst. State Club Agt.*

Field Crops and Soils:
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†O. H. Brensing, B. S., *Asst. Agron.*
†C. J. Carberry, B. S., *Asst. Agron.*
*†C. B. Cross, M. S., *Asst. Prof. Field Crops; Asst. Cerealist.*
†R. W. Ellithorp, B. S., *Assoc. in Field Crops and Soils (P. O., Granite).*
†H. H. Finnell, B. S., *Assoc. in Field Crops and Soils (P. O., Goodwell).*
†I. T. Goddard, B. S., *Asst. Agron. (Soil Conservation: P. O., Guthrie).*
†Chester Gray, B. S., *Asst. Agron. (P. O., Pauls Valley).*
*†H. J. Harper, Ph. D., *Prof. Soils; Soils.*
*†C. D. Haston, M. S., *Agron. in charge of Farm.*
*†J. C. Ireland, Ph. D., *Prof. Plant Brdg.; Plant Breeder.*
*†B. F. Kiltz, M. S., *Asst. Prof. and in charge Forage Crops and Pastures.*
*†L. L. Ligon, M. S., *Assoc. Prof. and Assoc. in Field Crops and Soils (Cotton).*
*†H. F. Murphy,[1] M. S., *Assoc. Prof. and Assoc. in Soils.*
‡L. W. Osborn, B. S., *Ext. Agron.*
*†H. W. Staten, M. S., *Asst. Prof. and Asst. in Field Crops and Soils (Cotton).*

Home Economics:
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*Florence L. Lytle, M. A., *Prof. and Head Dept. of Home Econ. Ed.*
*Sara T. Murray, M. A., *Prof. and Head Dept. of Household Arts.*
*Edith H. MacArthur, Ph. D., *Prof. and Head Dept. of Household Sci.*
*Hilda Brockman, B. S., R. N., *Asst. Prof. Household Sci.*
*Mary B. Carter, M. A., *Asst. Prof. Household Sci.*
*Mrs. Callie M. Coons, Ph. D., *Assoc. Prof. Household Sci.*
†Grace C. Fernandes, M. S., *Home Econ. Research.*

[1] On leave.
[2] For subject-matter workers see the respective division; i. e., animal husbandry, bacteriology, etc.

Home Economics—Continued.

*Grace Fisher, M. A., *Asst. Prof. Household Arts.*

‡Madonna Fitzgerald, M. A., *Ext. Econ. and Home Mgt.*

‡Cleora C. Helbing, M. S., *Clothing Specialist.*

*Fern Hotton, M. A., *Assoc. Prof. Home Econ. Ed.*

*Mrs. Anna M. Jackson,[1] A. M., *Assoc. Prof. Household Arts.*

*Eunice Jenkins, M. A., *Assoc. Prof. Household Arts.*

*Anna M. Johnson, M. S., *Asst. Prof. Home Econ. Ed.*

‡Martha R. McPheeters, B. S., *Food and Nutr. Specialist.*

*Virginia Messenger, M. S., *Assoc. Prof. Home Econ. Ed.*

*Minnie B. Myers,[1] B. S., *Instr. Household Sci.*

*Millie V. Pearson, B. S., *Instr. Home Econ. Ed.*

*Mary R. Penn, M. A., *Asst. Prof. Household Arts.*

*Louise A. Phelps, M. S., *Asst. Prof. Household Sci.*

*Mrs. Ruth H. Redmund, M. S., *Assoc. Prof. Home Econ. Teacher Training.*

*Beulah F. Shockey, M. S., *Assoc. Prof. Household Arts.*

*Grace Steininger, M. S., *Assoc. Prof. Household Sci.*

‡E. Faith Strayer, M. A., *Specialist in Child Development and Parent Ed.*

*Alma E. White, M. A., *Asst. Prof. Household Science.*

Home Economics—Continued.

*Gladys Wyckoff, M. A., *Asst. Prof. Home Econ. Ed.*

Horticulture and Forestry:

*†G. W. Cochran, M. S., *Prof. and Head of Dept.*

*†F. B. Cross, M. S., *Assoc. Prof. and Assoc. Pomol.*

*†E. F. Burk, M. S., *Asst. Prof. and Veg. Gard.*

†‡C. E. Jones, M. S., *Asst. Hort. and Ext. For.*

‡D. C. Mooring, M. S., *Ext. Hort.*

*F. J. Ruedel, B. S., *Instr. Flor.*

*†D. V. Shuhart, M. S., *Asst. Prof. Hort. and For.; Pecan Invest.*

Journalism (Agr.):

†C. E. Trout, M. S., *Editor.*

*G. F. Church, M. S., *Asst. Prof. Pubs.*

*C. A. Rott, M. S., *Asst. Prof. Journalism.*

Poultry Husbandry:

*†R. B. Thompson, B. S., *Prof. and Head of Dept.*

‡W. P. Albright, M. S., *Asst. Ext. Poultryman.*

*†George Davis, *Supt. of Poultry Farms.*

*†Lawrence Morris, M. S., *Asst. Prof. and Asst. in Poultry Husb.*

*†Robert Penquite, M. S., *Assoc. Prof. and Asst. in Poultry Husb.*

†E. E. Schnetzler, M. A., *Asst. Poultry Husb.*

‡H. G. Ware, B. S., *Ext. Poultryman.*

Miscellaneous:

†Lydia Friedemann, B. S., *Libr.*

Colored Agricultural and Normal University, *Langston*

*Agricultural faculty. ‡Extension work

*Z. T. Hubert, A. M., *President.*

*W. E. Anderson, A. B., *Actg. Dean.*

*E. R. Moore, B. S., *Dir. Dept. of Agr., Prof. An. Husb.*

*Helen G. Tyler, M. S., *Dir. and Prof. Home Econ.*

*E. D. Brown, *Asst. Voc. Agr.*

*Anna F. Davis, B. S., *Clothing.*

*Lenouliah Gandy, B. S., *Foods.*

*H. J. Hendricks, *Agr. Engin.*

*D. C. Jones, M. S., *Prof. Voc. Agr. Teacher Training.*

*L. G. Moore, M. S., *Chem.*

*F. E. C. Smith, B. S., *Voc. Home Econ.*

‡J. E. Taylor, B. S., *Agr. Ext. Work.*

*J. E. Taylor, jr., B. S., *Biol.*

[1] On leave.

OREGON

Oregon State Agricultural College and the Agricultural Experiment Station, *Corvallis*

*College faculty. †Station staff. ‡Extension staff

*W. J. Kerr, D. Sc., LL. D., *President.*
*A. B. Cordley, D. Sc., *Dean School of Agr.*
†J. T. Jardine, B. S., *Dir. of Sta.*
‡P. V. Maris, B. S., *Dir. of Ext. Service.*

Animal Husbandry:
*†E. L. Potter,[1] M. S., *Prof. An. Husb.; An. Husb. in charge.*
‡H. A. Lindgren, B. S., *Ext. An. Husb.*
*†O. M. Nelson, M. S., *Prof. An. Husb.; An. Husb.*
*†A. W. Oliver, M. S., *Asst. Prof. and Asst. An. Husb.*
*B. W. Rodenwold, M. S., *Asst. Prof. An. Husb.*

Bacteriology:
*†G. V. Copson. M. S., *Prof. Bact.; Bact. in charge.*
*†W. B. Bollen, Ph. D.. *Asst. Prof. and Assoc. Bact.*
*D. B. Charlton, M. S., *Instr. Bact.*
*†J. E. Simmons, M. S., *Assoc. Prof. and Assoc. Bact.*

Botany and Plant Pathology:
*†H. P. Barss, S. M., *Prof. Bot. and Plant Path.; Plant Path. in charge.*
*W. M. Atwood, Ph. D., *Prof. Plant Physiol.*
†B. F. Dana, M. S., *Plant Path.*
†T. P. Dykstra, M. S., *Asst. Plant Path. (Coop. U. S. D. A.).*
*Helen M. Gilkey,[1] Ph. D., *Assoc. Prof. Bot., Curator of Herbarium.*
†L. N. Gooding, B. S., *Assoc. Plant Path. (Coop. U. S. D. A.).*
*W. E. Lawrence, B. S., *Assoc. Prof. Plant Ecology.*
†F. P. McWhorter, Ph. D., *Assoc. Plant Path.*
†P. W. Miller, Ph. D. *Assoc. Plant Path. (Coop. U. S. D. A.).*
†H. H. Millsap, *Agt. (Coop. U. S. D. A.).*
*C. E. Owens, M. A., *Assoc. Prof. Plant Path.*
*F. P. Sipe, M. S., *Asst. Prof. Bot.*
†Roderick Sprague, Ph. D., *Asst. Path. (Coop. U. S. D. A.).*
†S. M. Zeller, Ph. D., *Plant Path.*

Chemistry:
*†J. S. Jones, M. S., *Prof. Agr. Chem.; Chem. in charge.*
†D. E. Bullis, M. S., *Asst. Chem.*
†J. R. Haag, Ph. D., *Nutr. Chem.*
†R. H. Robinson, M. S. *Chem.*
†C. F. Whitaker, B. S., *Asst. Chem.*

Dairy Husbandry:
*†P. M. Brandt, A. M., *Prof. Dairy Husb.; Dairy Husb. in charge.*
*H. N. Colman, B. S., *Asst. Prof. Dairy Husb.*
*†I. R. Jones, Ph. D., *Assoc. Prof. and Assoc. Dairy Husb.*
‡R. W. Morse, B. S., *Ext. Dairyman.*
*†Gustav Wilster, Ph. D., *Prof. and Assoc. in Dairy Mfrs.*

Economics and Farm Management:
*‡M. N. Nelson, Ph. D., *Prof. Econ. and Sociol.; Agr. Econ. in charge.*
*†H. D. Scudder, B. S., *Prof. and Chief in Farm Mgt.*
†R. S. Besse, M. S., *Assoc. in Farm Mgt.*
‡G. P. Boals, M. S., *Junior Ext. Econ.*
‡L. R. Breithaupt, B. S., *Ext. Econ.*
*†A. S. Burrier, M. S., *Asst. in Farm Mgt.*
*N. H. Comish, Ph. D., *Prof. Econ. and Sociol.*
*R. H. Dann, M. A., *Asst. Prof. Econ. and Sociol.*
*†W. H. Dreesen, Ph. D., *Prof. Econ. and Sociol.; Agr. Econ.*
‡G. O. Gatlin, LL. B., *Ext. Econ. (Mktg.).*
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*E. B. Mittelman, Ph. D., *Assoc. Prof. Econ. and Sociol.*
†H. E. Selby, B. S., *Assoc. in Farm Mgt.*
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‡J. H. Tull, *Ext. Econ. (Mktg.).*
*Mrs. Mercy J. Whaley, M. S., *Instr. Econ. and Sociol.*
*E. E. Wilson, A. M., *Asst. Prof. Econ. and Sociol.*

Editorial—*See* **Journalism.**

Education (Agr.):
*H. H. Gibson, A. M., *Prof. Agr. Ed.*
*O. K. Beals, B. S., *Critic Teacher in Agr. Ed.*

Engineering (Agr.):
*W. J. Gilmore, B. S. A. E., *Prof. Agr. Engin.*
*†C. J. Hurd, B. S., *Asst. Prof. and Asst. Agr. Engin.*

[1] On leave.

Engineering (Agr.)—Continued.

†M. R. Lewis, B. S., C. E., *Irrig. and Drainage Engin.* (*Coop. U. S. D. A.*).

*R. N. Lunde, B. S., *Instr. Agr. Engin.*

*G. V. Skelton, C. E., *Prof. Highway Engin.*

†F. E. Price, M. S., *Agr. Engin.*

*Clyde Walker, B. S., *Asst. Prof. Agr. Engin.*

Entomology:

*†D. C. Mote, Ph. D., *Prof. Ent.; Ent. in charge.*

*W. J. Chamberlin, M. S., *Assoc. Prof. Ent.*

‡S. C. Jones, M. S., *Asst. Ent.*

*H. A. Scullen, M. A., *Assoc. Prof. Ent.* (*Bee Culture*).

†B. R. Thompson, M. S., *Asst. Ent.*

†Joseph Wilcox, M. S., *Asst. Ent.*

Extension (Admin.):[1]

Director Maris *in charge.*

‡F. L. Ballard, B. S., *County Agt. Leader.*

‡Claribel Nye, M. A., *State Leader of Home Econ. Ext.*

‡H. C. Seymour, *State Club Leader.*

‡L. J. Allen, M. S., *Asst. State Club Leader.*

‡U. S. Burt, *Visual Ed. Specialist.*

‡Helen J. Cowgill,[2] B. S., *Asst. State Club Leader.*

‡W. L. Kadderly, B. S., *Program Dir., Radio Sta.*

‡D. V. Poling, Ph. D., *Lect. in Rural Organ.*

‡W. L. Teutsch, B. S., *Asst. County Agt. Leader.*

‡Winston Wade, B. S., *Asst. Program Dir.*

‡Audrey L. Wiencken, B. S., *Asst. State Club Leader.*

Farm Crops:

*†‡G. R. Hyslop, B. S., *Prof. Farm Crops; Agron. in charge.*

*†E. N. Bressman, Ph. D., *Assoc. Prof. Farm Crops; Assoc. Agron.*

†Letha D. Bunting, A. M., *Seed Analyst* (*Coop. U. S. D. A.*).

*†D. D. Hill, M. S., *Assoc. Prof. Farm Crops; Assoc. Agron.*

‡E. R. Jackman, B. S., *Ext. Agron.*

†H. A. Schoth, M. S., *Assoc. Agron.* (*Coop. U. S. D. A.*).

*D. C. Smith, M. S., *Instr. Farm Crops.*

†A. H. Walker, B. S., *Farm Crops Supt.*

Home Economics:

*Ava B. Milam, A. M., *Dean School of Home Econ.*

Home Economics—Continued.

*Alma C. Fritchoff, M. A., *Prof. and Head Dept. of Clothing, Textiles, and Related Arts.*

*Melissa Hunter, M. A., *Prof. and Head Dept. of Institution Econ.*

*A. Grace Johnson, M. A., *Prof. and Head Dept. of Household Admin.*

*Mrs. Jessamine C. Williams, M. A., *Prof. and Head Dept. of Foods and Nutr.*

*Wilma H. Anderson, B. S., *Instr. Institution Econ.*

*Georgia C. Bibee, B. S., *Instr. Institution Econ.*

*Florence E. Blazier,[2] M. A., *Prof. Home Econ. Ed.*

*Mrs. Vera H. Brandon, M. S., *Instr. Household Admin.*

*Margaret Brew, Ph. B., *Instr. Clothing, Textiles, and Related Arts.*

*Dorothea Cardley, B. S., *Instr. Clothing, Textiles, and Related Arts.*

*Edith Carse, M. A., *Instr. Household Admin.*

‡Lucy A. Case, M. A., *Nutr. Specialist.*

*Mildred Chamberlain, Ph. B., *Assoc. Prof. Clothing, Textiles, and Related Arts.*

*Merle B. Davis, B. S., *Critic Teacher in Home Econ. Ed. Actg. Head of Dept.*

*May C. Frank, B. S., *Asst. Prof. Household Admin.*

*Evra A. Garrison, M. S., *Instr. Foods and Nutr.*

*Beatrice J. Geiger,[2] M. S., *Assoc. Prof. Foods and Nutr.*

*Mrs. Katharine B. Haight, R. N., *Instr. Home Nursing.*

*Gladys V. Johnson, B. S., *Instr. Clothing, Textiles, and Related Arts.*

*Lura A. Kaiser, B. S., *Critic Teacher in Home Econ. Ed.*

*Frances Kelly, M. S., *Instr. Household Admin.*

*Agnes M. Kolshorn, M. S., *Asst. Prof. Foods and Nutr.*

*Willetta Moore, M. S., *Instr. Foods and Nutr.*

*Claribel Nye, M. A., *Prof. Home Econ. Ext.*

*Mrs. Marian Oliver, M. S., *Instr. Clothing, Textiles, and Related Arts.*

*J. R. Patterson, *Assoc. Prof. Clothing, Textiles, and Related Arts.*

*Sara W. Prentiss, M. A., *Prof. Child Development.*

[1] For subject-matter workers see the respective division; i. e., animal husbandry, bacteriology, etc.

[2] On leave.

Home Economics—Continued.

*Anna C. Price, B. S., *Instr. Clothing, Textiles, and Related Arts.*

*Mrs. Helen Robinson, *Instr. Clothing, Textiles, and Related Arts.*

‡Mrs. Zelta Rodenwold, *Home Mgt. Specialist.*

‡Harriet K. Sinnard, B. S., *Ext. Clothing Specialist.*

*Gertrude Strickland, *Instr. Clothing, Textiles, and Related Arts.*

*Lillian C. Taylor, M. A., *Instr. Foods and Nutr.*

*Mary S. Van Kirk, B. S., *Instr. Clothing, Textiles, and Related Arts.*

†Maud M. Wilson, B. S., *Home Econ. Research.*

*Mabel A. Wood, M. S., *Asst. Prof. Foods and Nutr.*

*Frances M. Wright, B. S., *State Supvr. and Teacher Trainer in Voc. Home Econ. Ed.*

Horticulture:

*†W. S. Brown, M. S., *Prof. Hort.; Hort. in charge.*

*†A. G. B. Bouquet, M. S., *Prof. Veg. Gard.; Hort. (Veg. Gard.).*

*Dennis Cooter, *Orchard Foreman.*

*F. A. Cuthbert, M. L. D., *Instr. Landsc. Arch.*

*W. P. Duruz, Ph. D., *Prof. Pomol.*

†Henry Hartman,[1] M. S., *Hort. (Pomol.).*

*†E. M. Harvey, Ph. D., *Prof. Research Hort.; Hort. (Physiol.).*

‡O. T. McWhorter, B. S., *Ext. Hort.*

*Thomas Onsdorff, B. S., *Instr. Hort. Products.*

*A. L. Peck, B. S., *Prof. Landsc. Arch. and Flor.*

†C. E. Schuster, M. S., *Hort. (Coop. U. S. D. A.).*

*H. R. Sinnard, M. S., *Instr. Landsc. Arch.*

*†E. H. Wiegand, B. S., *Prof. Hort. Products; Hort. (Products).*

Journalism:

*C. D. Byrne, M. S., *Prof. Indus. Journalism and Dir. of Coll. News Service.*

*†J. C. Burtner, B. S., *Assoc. Dir. Coll. News Service; Agr. Press Editor.*

*†C. J. McIntosh, B. S., *Prof. Indus. Editing; Agr. Press Editing.*

*†‡E. T. Reed, B. S., *Editor.*

*†‡D. M. Goode, B. A., *Assoc. Editor.*

*†‡Laura B. Heath, B. S., *Asst. Editor.*

Poultry Husbandry:

*†A. G. Lunn, B. S., *Prof. Poultry Husb.; Poultry Husb. in charge.*

‡H. E. Cosby, *Ext. Poultryman.*

*F. E. Fox, M. S., *Assoc. Prof. Poultry Husb.*

†F. L. Knowlton, B. S., *Poultry Husb.*

Soils:

*†W. L. Powers,[1] Ph. D., *Prof. Soils; Soil Sci.*

‡A. S. King, M. S., *Ext. Specialist in Soils.*

†M. R. Lewis, B. S., C. E., *Irrig. Drainage Specialist.*

*†C. V. Ruzek, M. S., *Prof. and Assoc. Soil Sci. (Fert.).*

*†R. E. Stephenson, Ph. D., *Assoc. Prof. and Assoc. Soil Sci.*

*†E. F. Torgerson, B. S., *Asst. Prof. and Asst. in Soils (Survey).*

†R. A. Work, B. S., *Asst. Irrig. Engin. (Coop. U. S. D. A.).*

Veterinary Medicine:

*†B. T. Simms, D. V. M., *Prof. Vet. Med.; Vet. in charge.*

*†E. M. Dickinson, D. V. M., *Asst. Poultry Path.*

†F. M. Bolin, D. V. M., *Asst. Vet.*

*†W. T. Johnson, B. S., D. V. M., *Prof. Vet. Med.; Poultry Path.*

*†A. M. McCapes, D. V. M., *Asst. Prof. Vet. Med.; Asst. Vet. (Coop. U. S. D. A.).*

†O. H. Muth, D. V. M., *Asst. Vet.*

†O. L. Searcy, B. S., *Technician in Vet. Med.*

*†J. N. Shaw, B. S., D. V. M., *Asst. Prof. Vet. Med.; Asst. Vet.*

Zoology:

*Nathan Fasten, Ph. D., *Prof. Zool.*

*Edith L. Benedict, M. A., *Instr. Zool.*

‡I. N. Gabrielson, A. B., *Leader in Rodent Control.*

*K. L. Gordon, M. A., *Asst. Prof. Zool.*

*J. L. Osborn, A. M., *Instr. Zool.*

*Mrs. Sue A. Reed, B. S., *Technician in Zool.*

Miscellaneous:

*Lucy M. Lewis, A. B., B. L. S., *Libr.*

Substations:

Eastern Oreg. Branch Sta., *P. O., Union*—

Robert Withycombe, B. S., *Supt.*

Harney Valley Branch Sta., *P. O., Burns*—

Obil Shattuck, M. S., *Supt.*

R. E. Hutchison, B. S., *Asst. to Supt.*

Hood River Branch Sta., *P. O., Hood River*—

Leroy Childs, B. A., *Supt. and Ent.*

G. G. Brown, B. S., *Hort.*

John Jacob Astor Branch Sta., *P. O., Astoria*—

A. E. Engbretson, B. S., *Supt.*

Pendleton Field Station, *P. O., Pendleton*—

D. E. Stephens, B. S., *Supt. (Coop. U. S. D. A.).*

G. A. Mitchell, B. S., *Asst. to Supt.*

[1] On leave.

Substations—Continued.

Sherman County Branch Sta., *P. O., Moro*—

D. E. Stephens, B. S., *Supt.* (*Coop. U. S. D. A.*).

J. F. Martin, B. S., *Junior Agron.* (*Coop. U. S. D. A.*).

M. M. Oveson, M. S., *Asst. to Supt.*

Substations—Continued.

Southern Oreg. Branch Sta., *P. O., Talent*—

F. C. Reimer, M. S., *Supt.*

L. G. Gentner, B. S., *Assoc. Ent.*

Umatilla Branch Sta., *P. O., Hermiston*—

H. K. Dean, B. S., *Supt.*

PENNSYLVANIA

The School of Agriculture and Agricultural Experiment Station and the Departments of Home Economics and Rural Education of the Pennsylvania State College,[1] *State College*

*College faculty. †Station staff. ‡Extension staff

*R. D. Hetzel, A. B., LL. D., Litt. D., *President of College.*

*†R. L. Watts, D. Agr., *Dean School of Agr., Dir. of Sta.*

*†S. W. Fletcher, Ph. D., *Vice Dean and Dir. of Research.*

‡M. S. McDowell, M. S., *Vice Dean and Dir. of Agr. Ext.*

Agronomy:

*†F. D. Gardner, B. S., *Head of Dept.*

*†C. O. Cromer, B. S., *Prof. Farm Crops.*

*†C. F. Noll, Ph. D., *Prof. Expt. Agron. and. Supt. of Farms.*

*†J. W. White, M. S., *Prof. Soil Tech.*

*†J. S. Cobb, M. S., *Asst. Prof. Agron.*

*‡J. B. R. Dickey, B. S., *Assoc. Prof. Agron. Ext.*

*†F. J. Holben, M. S., *Asst. Prof. Soil Tech.*

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*†C. D. Jeffries, M. S., *Asst. Prof. Soil Tech.*

*†F. G. Merkle, M. S., *Assoc. Prof. Soil Tech.*

*†H. B. Musser, B. S., *Assoc. Prof. Expt. Agron.*

*†Otto Olson, *Assoc. Agron.* (*Coop. U. S. D. A.: P. O., Ephrata*).

*†A. L. Patrick, M. S., *Prof. Soil Tech.*

*‡Nickolas Schmitz, B. S., *Prof. Agron. Ext.*

*‡E. J. Walter, B. S., *Asst. Prof. Agron. Ext.*

Animal Husbandry:

*†F. L. Bentley, M. S., *Head of Dept.*

*‡C. A. Burge, M. S., *Asst. Prof. An. Husb. Ext.*

*‡W. B. Connell, M. S., *Prof. An. Husb. Ext.* (*Sheep*).

*†W. L. Henning, M. S., *Assoc. Prof. An. Husb.*

*†T. B. Keith, M. S., *Asst. in An. Husb.*

*†M. A. McCarty, M. S., *Assoc. Prof. An. Husb.*

*†P. C. MacKenzie, *Asst. in An. Husb.*

*‡L. C. Madison, B. S., *Assoc. Prof. An. Husb. Ext.* (*Swine*).

*†J. F. Shigley, D. V. M., *Assoc. Prof. Vet. Sci.*

*†P. T. Ziegler, M. S., *Assoc. Prof. An. Husb.*

Botany:

*†F. D. Kern, Ph. D., D. Sc., *Head of Dept. Dean of Grad. School.*

*†W. S. Beach, Ph. D., *Assoc. Prof. Plant Path. Research* (*P. O., Bustleton*).

*†Florence Brown, M. S., *Instr. Bot.*

*‡L. T. Denniston, B. S., *Asst. Prof. Plant Path. Ext.*

*†J. B. Hill, Ph. D., *Prof. Bot.*

*†J. P. Kelly, Sc. D., *Prof. Bot.*

*‡R. S. Kirby, Ph. D., *Prof. Plant Path. Ext.*

*†E. L. Nixon, Ph. D., *Prof. Plant Path.*

*†L. O. Overholts, Ph. D., *Prof. Bot.*

*†H. W. Popp, Ph. D., *Assoc. Prof. Bot.*

*†J. W. Sinden, Ph. D., *Asst. Prof. Bot.*

*†H. W. Thurston, jr., Ph. D., *Asst. Prof. Plant Path.*

*†H. A. Wahl, M. S., *Instr. Bot.*

*†W. E. White, Ph. D., *Instr. Bot.* (*P. O., Mont Alto*).

*‡G. L. Zundel, Ph. D., *Asst. Prof. Plant Path. Ext.*

Chemistry (Agr. and Biol.):

*†R. A. Dutcher, M. S., *Head of Dept.*

*†D. E. Haley, Ph. D., *Prof. Soil and Phytochem.*

*†A. K. Anderson, Ph. D., *Prof. Physiol. Chem.*

*†E. S. Erb, M. S., *Assoc. Prof. in charge Analyses; Met.*

*†N. B. Guerrant, Ph. D., *Asst. Prof. Biol. Chem.*

*†J. E. Hunter, Ph. D., *Asst. Prof. Agr. and Biol. Chem.*

*†C. O. Jensen, M. S., *Asst. in Agr. and Biol. Chem.*

*†M. W. Lisse, Ph. D., *Prof. Biophys. Chem.*

*†E. S. Reider, Phar. G., *Instr. Agr. Chem.*

[1] This institution gives the academic title to all employees.

Chemistry (Agr. and Biol.)—Contd.
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*†H. O. Triebold, Ph. D., *Asst. Prof. Agr. and Biol. Chem.*

Dairy Husbandry and Bacteriology:
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*‡D. H. Bailey, B. S., *Asst. Prof. Dairy Husb. Ext.*
*†A. L. Beam, M. S., *Prof. Dairy Prod.*
*†S. I. Bechdel, Ph. D., *Prof. Dairy Prod.*
*†C. D. Dahle, M. S., *Prof. Dairy Mfrs.*
*†S. I. Bechdel, Ph. D., *Prof. Dairy Prod.*
*‡E. B. Fitts, B. S., *Prof. Dairy Husb. Ext.*
*‡C. R. Gearhart, B. S., *Asst. Prof. Dairy Husb. Ext.*
*†P. D. Jones, *Asst. in Dairy Husb.*
*†F. P. Knoll, *Asst. in Dairy Mfrs.*
*†M. H. Knutsen, M. S., *Prof. Bact.*
*‡J. C. Nageotte, B. S., *Asst. Prof. Dairy Husb. Ext.*
*‡R. H. Olmstead, M. S., *Assoc. Prof. Dairy Husb. Ext.*
*‡I. O. Sidelmann, *Asst. in Dairy Husb. Ext.*
*†J. A. Sperry, Ph. D., *Prof. Bact.*
*†W. D. Swope, M. S., *Prof. Dairy Husb.*
*‡R. R. Welch, M. S., *Asst. Prof. Dairy Husb. Ext.*
*†P. S. Williams, M. S., *Assoc. Prof. Dairy Husb.*

Economics (Agr.):
*†F. P. Weaver, Ph. D., *Head of Dept.*
*†W. V. Dennis, A. B., *Prof. Rural Sociol.*
*‡M. J. Armes, B. S., *Instr. Farm Mgt. Ext.*
*‡R. C. Barton, *Asst. in Farm Mgt. Ext.*
*†C. H. Bruce, B. S., *Asst. in Agr. Econ. (Coop. U. S. D. A.).*
*†J. R. Gauss, B. S., *Asst. in Agr. Econ.*
*‡W. R. Gordon, B. S., *Assoc. Prof. Rural Sociol. Ext.*
*†F. F. Lininger, Ph. D., *Prof. Agr. Econ.*
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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Zoology—*See* **Entomology.**

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[1] For subject-matter workers see the respective division, i. e., agronomy, animal husbandry, etc.

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†T. L. Ogier, B. S., *Asst. Chem.*
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Editorial—*See* **Publications.**

Education (Agr.): [2]

*C. H. Winkler, Ph. D., *Dean School of Voc. Teaching, Head Prof. Agr. Ed.*
*W. L. Hughes, M. S., *Head Prof. Rural Ed.*
*E. R. Alexander, M. S., *Prof. Agr. Ed.*
*J. C. Dykes, B. S., *Prof. Agr. Ed.*
*G. B. Wilcox, M. A., *Prof. Rural Ed.*

[1] On leave.
[2] Courses given in School of Vocational Teaching.

Engineering (Agr.):

*Daniels Scoates, A. E., *Head Prof. Agr. Engin.*
†H. P. Smith, M. S., *Chief Div. of Agr. Engin.*
*U. S. Allison, B. S., *Asst. Prof. Agr. Engin.*
‡M. R. Bentley, B. S., *Ext. Agr. Engin.*
*M. H. Byrom, B. S., *Instr. Agr. Engin.*
*F. R. Jones, B. S., *Assoc. Prof. Agr. Engin.*
*M. F. Thurmond, B. S., *Asst. Prof. Agr. Engin.*

Entomology:

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*S. W. Bilsing, Ph. D., *Head Prof. Ent.*
†A. H. Alex, B. S., *Queen Breeder, Apicultural Research Lab., P. O. San Antonio.*
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†R. K. Fletcher, Ph. D., *Ent.*
†J. C. Gaines, jr., M. S., *Ent.*
†C. E. Heard, B. S., *Chief Foulbrood Insp.*
*H. G. Johnston,[1] M. S., *Asst. Prof. Ent.*
†S. E. Jones, M. S., *Ent.*
*V. A. Little, M. S., *Assoc. Prof. Ent.*
†Otto Mackensen, B. S., *Asst. in Foulbrood Insp.*
*H. B. Mills, M. S., *Actg. Asst. Prof. Ent.*
†W. L. Owen, jr., M. S., *Ent.*
†H. B. Parks, B. S., *Chief of Apicultural Research Lab., P. O., San Antonio.*
†H. J. Reinhard, B. S., *Ent.*
‡R. R. Reppert, B. S., *Ext. Ent.*
†J. N. Roney, M. S., *Ent. (P. O., Dickinson).*
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†P. A. Moore, *Insp.*
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†S. D. Pearce, *Secy.*
†S. D. Reynolds, jr., *Insp.*
†J. H. Rogers, *Insp.*
†E. J. Wilson, B. S., *Insp.*

Forestry:

††‡C. W. Simmons, M. S., *Ext. For.*

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*E. P. Humbert, Ph. D., *Head Prof. Genetics.*
*C. B. Godbey, M. S., *Assoc. Prof. Genetics.*
*W. R. Horlacher, Ph. D., *Prof. Genetics.*

Geology:

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*F. A. Burt, M. A., *Assoc. Prof. Geol.*
*H. B. Stenzel, Ph. D., *Asst. Prof. Geol.*
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†S. H. Yarnell, Sc. D., *Chief of Div.*
*E. J. Kyle, M. S., *Head Prof. Hort.*
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†W. J. Bach, M. S., *Plant Path. (P. O., Weslaco).*
†W. N. Ezekiel, Ph. D., *Plant Path. and Lab. Technician.*

Publications:

†A. D. Jackson, *Chief of Div.*
‡Mrs. Minnie F. Cunningham, Ph. G., *Assoc. Ext. Editor.*
‡W. H. Darrow, B. S., *Ext. Editor.*

[1] On leave.

[2] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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†H. Schmidt, D. V. M., *Actg. for Chief Div. of Vet. Sci.*
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†Chester Higgs, *Executive Asst.*
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*†G. D. Clyde, M. S., *Assoc. Prof. and Assoc. in Irrig. and Drainage.*

Entomology—*See* **Zoology.**

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[1] For subject-matter workers see the respective division; i. e., agronomy, animal and poultry husbandry, etc.

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Veterinary Science:

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†D. E. Madsen, D. V. M., *An. Path.*

Zoology and Entomology:

*†W. W. Henderson,[1] Ph. D., *Prof. and Head of Dept.*

Zoology and Entomology—Continued.

†G. F. Knowlton, M. S., *Assoc. Ent. (Coop. U. S. D. A.).*

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†J. M. Frayer, B. S., *Asst. Dairy Bact.*

*‡L. M. Greene, M. S., *Instr. Poultry Husb., Poultry Path.*

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*R. W. Smith, jr., M. S., *Prof. Dairy Mfrs.*

[1] On leave.

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[1] On leave.

[2] For subject-matter workers see the respective division; i. e., agronomy, animal industry, etc.

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[1] For subject-matter workers see the respective division; i. e., agronomy and genetics, animal husbandry, etc.
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[1] For subject-matter workers see the respective division; i. e., agronomy, animal husbandry, etc.

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[1] For subject-matter workers see the respective division ; i. e., agronomy, animal industry, etc.

[2] Given in College of Education.

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